



Comment	Description	Designator	Footprint	LibRef	Quantity
MP2307DN		*1	SOP8	MP2307DN	1
TJA1050		*2	SOP8	TJA1050	1
HEAD_CAN/2		*3	2PIN-5.08A	HEAD_CAN/2	1
IR2104S		*4	SOP8	IR2104S	1
USB-B(micro)		*?	MICRO-USB	USB-B(micro)	1
VCC5	Header, 3-Pin, Dual row	BOOT1	HDR2X3	Header 3X2	1
220uF		C1, C2	CC6.56.5	CAP	2
104		C3, C4, C5, C6, C11, C12, C13, C18, C19, C21	0603P	C	10
10nF		C7	0603P	C	1
22		C8, C9	0603P	C	2
10uF		C10	0603P	C	1
10uF/50V		C14	CC6.56.5	CAP	1
100nF		C15, C20	0603P	C	2
3.3nF		C16	0603P	C	1
22uF/25V		C17	0603P	C	1
1uF/50V		C22	CC6.56.5	CAP	1
1N4148	1N4148	D1	DIODE_SOP	D	1
LED(PC13)	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS0	SMDLED	LED2	1
LED(PC14)	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS1	SMDLED	LED2	1
LED(PC15)	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS2	SMDLED	LED2	1
LED12V	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS?	SMDLED	LED2	1
LED3.3V	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS_source?	SMDLED	LED2	1
10uH/4A		L1	L_SOP74	L_SOP	1
SWD	Header, 4-Pin	P1	HDR1X4	Header 4	1
Header 7	Header, 7-Pin	P2	HDR1X7	Header 7	1
NMOS-2/LR7843	N-Channel Power MOSFET	Q1	SOP8	NMOS-2	1
NMOS-2/LR7843	N-Channel Power MOSFET	Q2	TO-220AB	NMOS-2	1
10K		R1, R6, R8, R9, R10, R11	0603P	R	6
1.5K		R2	0603P	R	1
100K		R3	0603P	R	1
43K		R4	0603P	R	1
1.2K		R5	0603P	R	1
6.8K		R7	0603P	R	1
1K		R12, R13, R15, R16	0603P	R	4
120		R14	0603P	R	1
10		R17, R18	0603P	R	2
KEY_M		RESET?	KEY_M	KEY_M	1
AMS1117-3.3		U1	AMS1117	AMS1117	1
STM32F103RCT6		U2	STM-LQFP64_M	STM32F103RDT6	1
8MHz	Crystal Oscillator	Y1	XTAL_US	XTAL	1